

CDMA ASSET TAG

Users Manual

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AGT-100D - v 1.3



AnyDATA

AnyTime AnyPlace Any Wireless Data Solutions™

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	<p>Warning: Exposure to Radio Frequency Radiation</p> <p>The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, the gain of the external antenna must not exceed 1dBi. This device is compliant with the parameters of Specific Absorption Rate (SAR) government regulations. This device contains AnyDATA DTG2000-DUAL V2.0 module whose FCC ID is P4M-DTG2000V2 and IC Certificate number is 4594A-DTG2KV2.</p>
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1 INTRODUCTION

1.1 PURPOSE

This manual discusses the purpose and usage of the Asset Tag (AGT-100D).

1.2 TECHNICAL DETAIL

Please refer to [Technical Manual.pdf](#) for a more detailed description of the AGT-100D

1.3 REVISION HISTORY

The revision history for this manual is shown in Table 1.1.

Table 1.1: Revision History

Version	Date	Description
v 01	Feb 2006	Initial Release - applicable AGT-100D
v 03	Mar 2006	Minor Editing Done
V 1.0	Apr 2006	Minor Editing Done
V 1.1	Jul 2006	Added Alert Feature
V 1.2	Jul 2006	FCC Warning Statement Included
V 1.3	Jul 2006	Added description on how to start alert feature

2 PHYSICAL CONTENTS



Figure 2.1: Package Contents

The box should contain:

- One AGT-100D Asset Tag
- One ATG-100D Belt Clip
- One RS-232C Cable w/ Power Adaptor connector
- One Power Adaptor
- One Wall Charger
- One Application/Manual CD

If any of items on Figure 1.1 are missing, please contact AnyDATA.

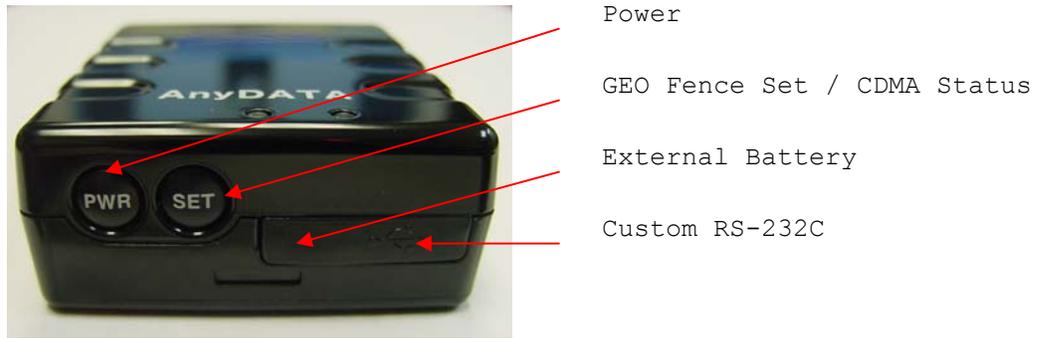


Figure 2.2: External Interface

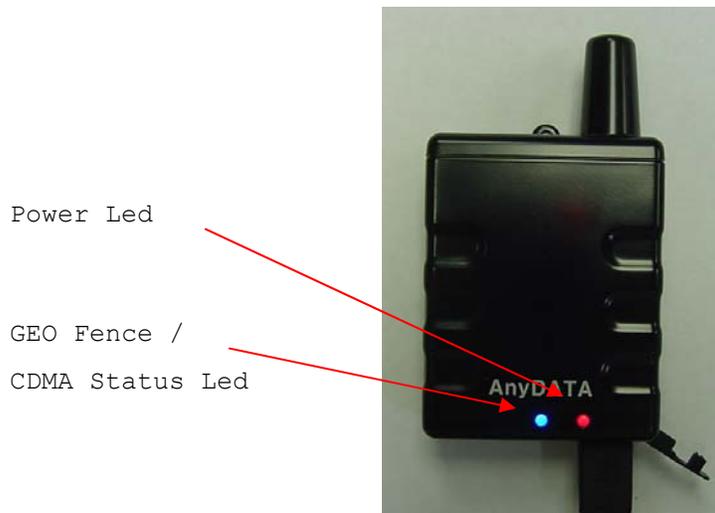


Figure 2.3: LEDs

3 DESCRIPTION: ASSET TAG

The Asset Tag is a CDMA position reporting device that will let you keep track of your most important assets. By using the following features, the device can be used to track packages, people, and even pets.

Continuous Tracking - This application will allow you to keep a close watch on your important asset. The device will be connected to a web-based application and provide you up to date information on its current position.

Interval Tracking - This application will allow you to keep a watch on your important asset. By setting a specific interval, the device can be set to report to a web-based application to provide you information on the location of your asset.

Geo Fence - A Geo Fence is an invisible perimeter set to a specified origin by specifying the latitude and longitude. When activated, the AGT-100D will check its current position on a specified interval time period, changeable through the server. If the position returned is outside of the Geo Fence radius, the AGT-100D will alert the server with the Crossed Geo Fence Index and the current position of the device. If the AGT-100D crosses back into the Geo Fence, it will send one more alert with the current position of the device.

Currently, the AGT-100D is capable of supporting up to 3 different Geo Fences. All 3 Geo Fences can be active at one time. Each Geo Fence can be configured using a server designed to interact with the AGT-100D

The AGT-100D can also be configured to allow the user to set a Geo Fence using the SET button on the device (this feature will be determined by

the company supporting the device). When the user is allowed to set a Geo Fence, the server will only have permission to configure the Interval and/or Radius of the user-defined Geo Fence. Only the user can turn the Geo Fence ON and OFF.

4 CHARGING THE ASSET TAG

4.1 RS-232C CABLE w/ POWER ADAPTOR CONNECTER

1. Connect the power adaptor to the RS-232C Cable (See Figure 4.1).
2. Connect the RS-232C Cable to the bottom of the Asset Tag (See Figure 4.2).
3. Plug power adaptor to an outlet (The RS-232C cable does not need to be plugged in the computer for the Asset Tag to charge).
4. The Red LED should turn to indicate the Asset Tag is charging.

4.2 WALL CHARGER

1. Connect the wall charger to bottom of the Asset Tag (See Figure 4.2).
2. Plug charger to an outlet.
3. The Red LED should turn on to indicate the Asset Tag is charging.



Figure 4.1: RS-232C Cable w/ Power Adaptor



Figure 4.2: Asset Tag w/ External Power

5 POWERING ON/OFF THE ASSET TAG

5.1 POWERING ON

Press the PWR button to power up the Asset Tag. The Red LED will blink once indicating the Asset Tag is powering up.

5.2 POWERING OFF

Press and hold the PWR button for approx. 2 seconds to power down the Asset Tag. Both the Red LED and Blue LED will turn off during the power down procedure. Both LEDs will turn off when the Asset Tag has powered down.

5.3 RESETTING THE AGT-100D

In case the AGT-100D does not respond or appears to be locked up, the unit may be forced to do a reset. On the back of the unit, there is a small hole with the reset button inside. To reset, do the following:

1. Using a small pin, insert it into the hole (See Figure 5.1).
2. Press until a soft click is felt, hold for approximately 2 seconds.
3. The Red LED should turn on and then turn off when the phone is done powering on.



Figure 5.1: Reset Button

6 CHECKING THE ASSET TAG STATUS

To check the current status of the Asset Tag, press the SET button while the device is turned on. Both LEDs will blink showing the current status of the Asset Tag. Table 6.1 below describes the CDMA status, and Table 6.2 describes the Battery Status.

6.1 CDMA STATUS (RED LED)

Table 6.1: CDMA Status (Red LED)

# of blink	Description
1	Idle
2	In use
3	No service / Offline

6.2 BATTERY STATUS (BLUE LED)

Table 6.2: Battery Status (Blue LED)

# of blink	Description
1	Nearly empty
2	0 bar
3	1 bar
4	2 bar
5	3 bar
6	4 bar

6.3 EXTERNAL POWER STATUS (RED LED)

Red LED will always be ON while the Asset Tag is on external power.
Blue LED will turn ON when fully charged.

7 GEO FENCE ON/OFF (OPTIONAL)

GEO Fence #1 may be turned on and off by pressing and holding the set button on the device.

NOTE: This feature will be enabled/disabled by the application provider.

7.1 SET GEO FENCE ON

Press and hold the SET button for approx 3 seconds. The GEO Fence LED will blink continuously while it sets the origin. If the origin is set, the LED will stay ON, if it fails, the led will turn OFF.

7.2 SET GEO FENCE OFF

Press and hold the SET button for approx 3 seconds. The GEO Fence LED will stay turned OFF when the GEO Fence is off.

NOTE: The Radius and Interval will be set to the current setting. If no Radius or Interval has been set, they well be set to the default values. Radius = 100M, Interval = 5 Minutes. The Origin will be set to the current location of the device. Please note the Origin can take up to 10 minutes to set depending in the environment the device is currently in.

8 ALERT MESSAGE (OPTIONAL)

This feature will send an alert message with the current position to the application provider. To send the Alert Message, press the "Set" button 2 consecutive times (within 3 seconds). The device will then attempt to obtain the current position and report it to the application provider. When received, the application will do the appropriate processing.

NOTE: This feature will be enabled/disabled by the application provider.